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Notice of Allowability

Application No.

10/038,325

Applicant(s)

BORMANN ET AL.

Examiner

Sumati Lefkowitz

Art Unit

2112

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to telephone conference of 6/10/04.
2. ☒ The allowed claim(s) is/are 1-40.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 20040625.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date <u>20040625</u> |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

EXAMINER'S AMENDMENT & REASONS FOR ALLOWANCE

1. Claims 1-40 are allowed.

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Anthony H. Azure (#52,580) on June 18, 2004.

3. The application has been amended as follows:

IN THE ABSTRACT

Replace the abstract with:

--Transmitting data on a serial data transmission path to reduce latency including reading only enough of a device address of a serial data word to determine if the serial data word is addressed to a first device having an address, wherein the serial data word is transmitted across a first link of a first serial data transmission path to the first device and passing the serial data word across a second link of the first serial data transmission path to a second device if the serial data word is not addressed to the first device.--

IN THE CLAIMS

a. As to claim 1,

- Delete lines 2-5, beginning with "reading" and ending with "and", and insert in their place:

-- reading only enough of a device address of a serial data word to determine if the serial data word is addressed to a first device having an address, wherein the serial data word is transmitted across a first link of a first serial data transmission path to the first device, the serial data word including device data; and--

- on lines 7-8, delete "the at least one bit of the device address does not match at least one corresponding address bit of the first device" and insert in its place --the serial data word is not addressed to the first device--

b. As to claim 2,

- on line 2, after "reading" insert --the device data of--
- on line 3, delete "an address of a device" and insert in its place --the address of the first device--

c. As to claim 3,

- on line 3, delete "an address of a device" and insert in its place --the address of the first device--

d. As to claim 4,

- on line 2, after "by the" insert --first--

e. As to claim 14,

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- delete lines 4-7, beginning with “reading” and ending with “and”, and insert in their place:
 - reading only enough of a device address of a serial data word to determine if the serial data word is addressed to a first device having an address, wherein the serial data word is transmitted across a first link of a first serial data transmission path to the first device, the serial data word including device data; and--
- on lines 9-10, delete “the at least one bit of the device address does not match at least one corresponding address bit of the first device” and insert in its place --the serial data word is not addressed to the first device--
- f. As to claim 15,
 - on line 3, after “reading” insert --the device data of--
 - on line 4, delete “an address of a device” and insert in its place --the address of the first device--
- g. As to claim 16,
 - on line 4, delete “an address of a device” and insert in its place --the address of the first device--
- h. As to claim 17,
 - on line 1, delete “14” and insert in its place --16--
 - on line 2, after “by the” insert --first--
- i. As to claim 19,

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- on lines 5-6, delete "having a device address comprised of at least one bit"
and insert in its place --including a device address and device data--
- delete line 7, beginning with "reading" and ending with "and" and insert in its place:
 - reading only enough of the device address by the first device to
determine if the serial data word is addressed to the first device; and--
- on lines 9-10, delete "the at least one bit of the device address does not match
at least one corresponding address bit of the first device" and insert in its place
--the serial data word is not addressed to the first device--
- j. As to claim 20,
 - on line 3, after "reading" insert --the device data of--
 - on line 4, delete "an address of a device" and insert in its place --the address
of the first device--
- k. As to claim 21,
 - on line 4, delete "an address of a device" and insert in its place --the address
of the first device--
- l. As to claim 22,
 - on line 2, after "by the" insert --first--
- m. As to claim 24,
 - delete lines 2-9, beginning with "a first" and ending with "device;" and insert
in their place:
 - a first device having an address; and

a first serial data transmission path coupled to the first device, the first data transmission path including a first link and a second link,

wherein the first device to receive a serial data word transmitted across the first link, the serial data word including a device address and device data, the first device to read only enough of the device address of the serial data word to determine if the serial data word is addressed to the first device, the first device to pass the serial data word across the second link to a second device if the serial data word is not addressed to the first device--

n. As to claim 25,

- on line 1, after "read" insert --the device data of--
- on line 2, delete "an" and insert in its place --the--

o. As to claim 26,

- on line 2, delete "an" and insert its place --the--

p. As to claim 27,

- on line 2, before "device" insert --first--

q. As to claim 37,

- on lines 4-5, delete "having a device address comprised of at least one bit" and insert in its place --including a device address and device data--
- on lines 9-11, delete "wherein the first device... not match a portion of the address of the first device" and insert in its place --wherein the first device to read only enough of the device address of the serial data word to determine if

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the serial data word is addressed to the first device and if the serial data word is not addressed to the first device--

r. As to claim 38,

- on line 1, after "read" insert --the device data of--

s. As to claim 39,

- on line 3, delete "an address of a device" and insert in its place --the address of the first device--

4. The following changes to the drawings have been approved by the examiner and agreed upon by applicant:

In Figure 3, replace wording of step 304 with:

--reading only enough of a device address of the serial data word to determine if the serial data word is addressed to the 1st device--

In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes.

5. The following is an examiner's statement of reasons for allowance:

Applicant's claimed invention is deemed allowable over the prior art of record as the prior art fails to teach or suggest all the claim limitations in combination, including reading only enough of a device address of a serial data word including a device address and device data to determine if the serial data word is addressed to a device.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

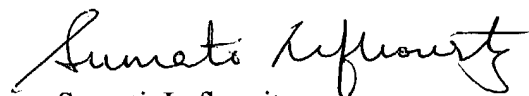
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sumati Lefkowitz whose telephone number is 703-308-7790. The examiner can normally be reached on Monday-Friday from 6:00-2:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Rinehart, can be reached at 703-305-4815.

The fax phone numbers for the organization where this application or proceeding is assigned are:

| | |
|--------------|---------------------------------------|
| 703-746-7238 | for After-Final communications |
| 703-872-9306 | for Official communications |
| 703-746-5661 | for Non-Official/Draft communications |

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.



Sumati Lefkowitz
Primary Examiner
Art Unit 2112

sl
June 28, 2004